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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,262	01/21/2004	Kia Silverbrook	MPA25US	1036
24011	7590	05/23/2006	EXAMINER	
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, NSW 2041 AUSTRALIA			GOLDBERG, BRIAN J	
			ART UNIT	PAPER NUMBER
			2861	

DATE MAILED: 05/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.		Applicant(s)	
	10/760,262		SILVERBROOK ET AL.	
	Examiner		Art Unit	
	Brian Goldberg		2861	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 March 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claim 8 is objected to because of the following informalities: Claim 8 recites the limitation "the fluid distribution members" in the last two lines of the claim. There is insufficient antecedent basis for this limitation in the claim, since it is only referred to in the singular as "at least one fluid distribution member" prior to this reference.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Silverbrook et al. (US 6439908).
4. Regarding claim 1, Silverbrook et al. disclose "at least one printhead module (10 of Fig 2) comprising at least two printhead integrated circuits (18 of Fig 4), each of which has nozzles formed therein for delivering printing fluid onto the surface of print media (col 3 ln 45-47), a support member (16 of Fig 7) supporting and carrying the printing fluid for the at least two printhead integrated circuits, and an electrical connector for connecting electrical signals to the at least two printhead integrated circuits (col 3 ln 49 and 59-65); a plurality of longitudinally extending electrical conductors (58 and 60 of Fig 14) arranged to provide power from a power supply to the at least two printhead integrated circuits via the electrical connector (col 3 ln 49, 62-64, col 5 ln 43-50); and a

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casing (14 of Fig 2) comprising a support frame (64, 94, lower parts of 76 and 32 of Fig 2) on which the at least one printhead module (10 of Fig 2) and at least one mounting element (28, 32 of Figs 7 and 8) are removably held, the at least one mounting element having formed therein a plurality of recessed channels for receiving and removably mounting individual ones of the plurality of electrical conductors (see Fig 7)."

5. Regarding claim 2, Silverbrook et al. disclose "a pressure plate wherein the electrical connector has a plurality of conductor portions corresponding to each of the plurality of electrical conductors, and the plate loads each of the conductor portions against the plurality of electrical conductors (col 4 ln 6-14)."

6. Regarding claim 3, Silverbrook et al. disclose "the pressure plate is removably mounted to the casing (14 of Fig 2) by the at least one mounting element (28 of Fig 8 and col 2 ln 54-58)."

7. Regarding claim 4, Silverbrook et al. disclose "the pressure plate includes a non-conductive portion which urges the electrical connector against the plurality of electrical conductors (col 4 ln 24-28)."

8. Regarding claim 5, Silverbrook et al. disclose "the non-conductive portion is formed of a resilient material (col 4 ln 24-28)."

9. Regarding claim 6, Silverbrook et al. disclose "drive electronics incorporating at least one controller for controlling the printing operation of at least one of the at least two printhead integrated circuits via the electrical connector (col 3 ln 48-50 and ln 59-65), the drive electronics being removably mounted to the casing (14 of Fig 2) by the at least one mounting element (28 of Fig 8 and col 2 ln 54-58)."

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10. Regarding claim 7, Silverbrook et al. disclose “the power carried by the plurality of electrical conductors (58 and 60 of Fig 14) is also delivered to the drive electronics via the loaded electrical connector (col 3 ln 59-64).”

Regarding claim 8, Silverbrook et al. disclose “the at least one printhead module (10 of Fig 2) is formed as a unitary arrangement of the at least two printhead integrated circuits (18 of Fig 4), the support member (16 of Fig 7), the electrical connector (48 of Fig 8), and at least one fluid distribution member (26 of Fig 7) mounting the at least two printhead integrated circuits to the support member; and the support member has at least one longitudinally extending channel (80 of Fig 7) for carrying the printing fluid for the printhead integrated circuits and includes a plurality of apertures (42 of Fig 7) extending through a wall of the support member arranged so as to direct the printing fluid from the at least one channel to associated nozzles in both, or if more than two, all of the printhead integrated circuits by way of respective ones of the fluid distribution members (see Fig 7 and col 3 ln 45-47).”

Terminal Disclaimer

11. The terminal disclaimer filed on 3/27/06 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of application 10/760,183 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Response to Arguments

12. Applicant's arguments filed 3/27/06 have been fully considered but they are not persuasive.

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13. Regarding claim 1, as best shown in figure 7, the electrical conductors 58 and 60 are shown received in a channel, which is recessed by definition (since a channel is a type of recessed portion). In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., the PEC to printhead ratio) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). In other words, the argument regarding the PEC to printhead ratio is not in the claims.

14. Regarding claims 2-8, applicant only argues that due to their dependency from claim 1, they are also novel. However, claim 1 is not allowable as set forth above.

Conclusion

15. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Goldberg whose telephone number is 571-272-2728. The examiner can normally be reached on Monday through Friday, 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vip Patel can be reached on 571-272-2458. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian Goldberg *BG*
AU 2861
May 18, 2006

Vip Patel
- *Vip Patel*
SUPERVISOR
A.U. 2861